

REMARKS

Claims 1-15 are pending. Claims 3, 4, 8-12, 14 and 15 have been withdrawn from consideration. Claim 1 remains generic. A new abstract is provided. Reconsideration and allowance based on the above amendments and following remarks are respectfully requested.

Abstract

Applicants have attached a new abstract. Applicants respectfully submit that the new abstract complies with all rules governing abstracts. Accordingly, acceptance of the abstract is respectfully requested.

Prior Art Rejection

The Office Action rejects claims 1, 2, 5-7 and 13 under 35 U.S.C. §102(b) as being anticipated by Takizawa, et al. (US 6,419,364). This rejection is respectfully traversed.

The Office Action alleges that Takizawa teaches each and every feature of applicants independent claim 1. Applicants respectfully disagree.

Takizawa teaches a projection display device that includes fans used for cooling. The projection includes three (3) intake fans 17A, 17B and 17C and multiple exhaust fans 16. The fans are controlled such that they operate in a specific manner for a given circumstance. During an initial power on by the device, the first and second intake fans 17A and 17B are turned on at a slow speed. After a specified period and regardless of temperature, the fan speed is increased.

The third fan 17C is then turned on after the initial start-up of the projection device. The third fan speed is controlled at three stages depending upon outside air temperatures. The exhaust fans 16 are also turned on depending on predetermined temperatures inside the device. See column 9, lines 51 through column 10 line 25.

In Heiles, if the devices becomes to hot, the lamp is extinguished and the power to the lamp is turned off. After the temperature inside the device is lowered to some extent over a predetermined period of time, power to the device is turned off. See column 12, lines 44 through 61. The lamp is then only re-lit after the predetermined time period. See column 14, lines 11-14.

In contrast, in embodiments of applicant's invention, the controlling of a cooling element, such as a fan, is performed in relation to the turning on of the lamp and a predetermined temperature. When the temperature is higher than the predetermined temperature, the cooling elements are first turned on to cool the device, then the lamp is turned on. If the temperature is lower than the predetermined temperature, the cooling elements are not turned on and the lamp is lit.

In Takizawa, the cooling elements (fans 17A, 17B) are immediately turned on when the lamp is turned on. This is performed under all circumstances. Further, Takizawa doesn't measure temperature prior to turning on the lamp to determine if the cooling elements need to be turned on to first cool the device prior to lighting the lamp. At best, Takizawa teaches turning on the lamp after a predetermined time has elapsed after the lamp lens extinguishes itself due to

high temperatures inside the device. A determination of whether to first engage the cooling elements or not prior to lighting the lamp is not taught.

Therefore, Takizawa's cooling system is designed to perform and be activated in a different manner than the apparatus claimed by applicants.

Therefore, Takizawa fails to teach, *inter alia*, a controller for controlling restart of said lamp after a turnoff of said lamp, said controller turning on said lamp after causing said cooling element to cool said lamp when the temperature of said lamp is higher than a predetermined temperature, based on an output from said time management section, said controller turning on said lamp without causing said cooling element to cool said lamp prior to turn on of said lamp when the temperature of said lamp is lower than said predetermined temperature, based on the output from said time management section, as recited in claim 1.

Therefore, in view of the above, applicants respectfully submit that Takizawa fails to teach each and every feature of independent claim 1 as required. Dependent claims 2, 5-7 and 13 are likewise distinguishable for the above reasons as well as for the additional features they recite. Accordingly, reconsideration and withdrawal of the rejection are respectfully requested.

CONCLUSION

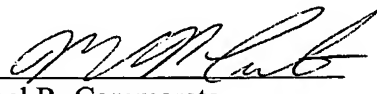
For at least these reasons, it is respectfully submitted that independent claim 1 is distinguishable over the cited art. Further, it is respectfully submitted that claim 1 is a generic claim with regard to dependent claims 2-15. Accordingly, allowance of claims 1-15 is respectfully requested.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Chad J. Billings (Reg. No. 48,917) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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